

628-C-586 FIELD OFFICE COMPUTER EQUIPMENT

Adopted (02-23-12)

The Standard Specifications are revised as follows:

SECTION 628, BEGIN LINE 8, DELETE AND INSERT AS FOLLOWS:

628.02 Field Office and Laboratory Requirements

When specified, the Contractor shall provide a field office, computer ~~system~~*equipment*, office machines, field laboratory, services, equipment and supplies for the Department's exclusive use in accordance with the minimum requirements listed below.

SECTION 628, BEGIN LINE 28, DELETE AND INSERT AS FOLLOWS:

The field office shall be complete and ready for use by the Department, including all utility connections and specified computer ~~system~~*equipment*, office machines, internet service, equipment and supplies, prior to the start of work. If the Contractor is unable to provide the permanent field office prior to the start of the work, the Engineer shall be notified in writing and the Contractor and the Engineer will agree to temporary field office arrangements prior to the start of work. A temporary field office will not be accepted by the Department for more than 2 months, at which time a permanent field office shall be ready for the Department's use.

SECTION 628, BEGIN LINE 194, DELETE AND INSERT AS FOLLOWS:

(c) Field Office Computer ~~System~~*Equipment*

The Contractor shall provide *the following* ~~1 field office computer system for the Department's exclusive use for each field office specified. The Contractor has the option to provide either a desktop or a laptop computer system in accordance with the minimum requirements listed below.~~

~~1. Field Office Desktop Computer System~~

- ~~a. Processor—Intel or AMD compatible, 2.0 GHz~~
- ~~b. Memory—1.0 GB, 533 MHz~~
- ~~c. Hard Drive—60 GB, 5,400 rpm~~
- ~~d. Optical Drive—24X CD-RW drive~~
- ~~e. Ports—Two USB 2.0 compliant ports~~
- ~~f. Network/Wireless—Ethernet or wireless card to be compatible with the selected internet and office network connections~~
- ~~g. Graphics—Integrated graphics card~~
- ~~h. Monitor—22 in. widescreen digital flat panel~~
- ~~i. Keyboard—USB-enhanced multimedia keyboard~~
- ~~j. Mouse—USB 2 button scroll mouse~~

~~2. Field Office Laptop Computer System~~

- ~~a. Processor—Intel or AMD compatible, 2.0 GHz~~
- ~~b. Memory—1.0 GB, 533 MHz~~
- ~~c. Hard Drive—60GB, 5,400 rpm~~
- ~~d. Module Bay Device—24X CD-RW drive~~

- ~~e. Ports—Two USB 2.0 compliant ports~~
- ~~f. Network/Wireless—Ethernet or wireless card to be compatible with the selected internet and office network connections~~
- ~~g. Graphics—Integrated graphics card~~
- ~~h. Display—15" XWGA LCD panel~~
- ~~i. Battery—9 cell lithium ion~~
- ~~j. External Monitor—22 in. widescreen digital flat panel~~
- ~~k. External Keyboard—USB enhanced multimedia keyboard~~
- ~~l. External Mouse—USB 2-button scroll mouse~~
- ~~m. Miscellaneous—One compatible port replicator with AC adapter, 1 additional AC adapter, 1 DC adapter and 1 padded carrying case~~

1. *External Monitor – 22 in. widescreen digital flat panel, with VGA and DVI connections*
2. *External Keyboard – USB enhanced multimedia keyboard*
3. *External Mouse – USB 2- button scroll mouse*
4. *DELL E-series port replicator with AC adapter, and 1 DC adapter*
5. *Wireless router compatible with IEEE 802.11 a/b/g, or b/g/n, and shall have 1 input and 4 output 10/100 Ethernet ports. The router shall have Wi-Fi protected access (WPA2-PSK, WPA-PSK) and WEP security.*

3. Computer Software

The Contractor shall provide software for the computer system in accordance with the minimum requirements listed below:

- ~~a. Operating System Software—Windows XP Professional~~
- ~~b. Productivity Software—Microsoft Office 2003 Small Business and Adobe Acrobat Professional~~
- ~~c. Security Software—McAfee Virus Scan Plus~~

~~All software shall include the most current updates and patches at the time the computer system is provided to the Department. The Contractor shall provide for installation of updates and patches for the operating system, productivity and security software during the term of use of the computer system by the Department. Updates and patches shall be provided by an automatic update method.~~

~~The Department may install and maintain proprietary software on the computer in order to run the Department's construction management programs.~~

4. Miscellaneous Computer Requirements

~~The initial condition of the computer system/equipment shall be nearly pristine. All owner installed e-mail accounts, games, spyware, online services, applications, network or other profiles previously set up on the system shall be removed prior to placement in the field office. If the system was provided for a previous Department contract, all software not specified shall be removed prior to placement in the current field office.~~

The Contractor shall provide an uninterruptible power supply, UPS, minimum 120 VA, 100 Watts and full time surge suppression for each field office ~~computer system specified in the contract.~~

The Contractor shall provide all cables, connections and software required to connect the field office computer system to the printer and the scanner.

~~When more than 1 computer system is specified for a field office, the Contractor shall provide either an Ethernet or wireless office network to allow all computer systems in the field office to access the field office internet service, the printer and the scanner.~~

~~The Contractor shall provide appropriate dust covers for all field office desktop computer systems.~~

~~The Contractor shall provide all manuals necessary for operation of the computer system and software with the system and shall include all documentation normally furnished with the equipment and software when purchased.~~

~~The Department will be utilizing the computer system to run or access Department provided construction management software applications. These applications are known to run on Intel and AMD compatible equipment when using the Windows XP Professional operating system. If the Department experiences problems running these applications due to hardware or software compatibility, the Contractor shall replace the equipment to ensure compatibility to the satisfaction of the Engineer within 5 business days.~~

~~The computer system shall be maintained in good working order. If a portion of the system becomes defective, inoperable, damaged, or stolen, that portion shall be repaired or replaced within 5 business days after the Contractor is notified by the Engineer. If the computer system and related accessories are not maintained by the Contractor as required, the Engineer may withhold partial payments until the computer system is operational to the Department's satisfaction.~~

SECTION 628, BEGIN LINE 314, DELETE AND INSERT AS FOLLOWS:

2. Printer

The printer shall be a laser printer compatible with the computer system provided by the ~~Contractor~~Department for use by the Department in the field office. The printer shall be capable of printing single-sided, black and white letter and legal US paper size documents at a rate of 20 pages per minute and capable of automatic duplex printing.

3. Document Scanner

The document scanner shall be compatible with the computer system provided by the ~~Contractor~~Department for use by the Department in the field office. The scanner shall be capable of scanning letter and legal size documents and shall have an automatic document feeder and be capable of 200 to 600 dpi black and white resolution, *preset to 200 dpi*.

SECTION 628, BEGIN LINE 386, DELETE AND INSERT AS FOLLOWS:

628.03 Additional Computer Systems and Mobile Internet Service

When specified, the Contractor shall provide the following computer systems and internet services for the Department's exclusive use.

(a) Additional Field Office Computer System

The additional field office computer system shall be either a desktop or laptop computer system in accordance with 628.02(c)1 or 628.02(c)2 except that the monitor for a desktop system may be a 19 in. flat panel and the external monitor for a laptop system will not be required. The requirements of 628.02(c)3 and 628.02(c)4 shall apply to each additional field office computer.

(b) Mobile Laptop Computer System

The mobile laptop computer system shall be in accordance with 628.02(c)2 except that the external monitor, integrated graphics card, external keyboard and port replicator with AC adapter will not be required. Mobile laptop computers will be used by the Department for contracts that do not include a field office. The requirements of 628.02(c)3 and 628.02(c)4 shall apply to each mobile laptop computer except that those requirements specifically for a field office computer will not apply.

(c) Mobile Internet Service

The mobile broadband internet service access card will be used by the Department in a laptop computer provided by either the Contractor or the Department.

The card shall connect to the laptop via a type II PC card slot, an express card slot or a USB 2.0 compliant port. The card and service shall be capable of a minimum average upload speed of 350 Kbps. The internet service rate plan shall include unlimited data and time usage with no roaming charge for national domestic use. All software necessary for the operation of the card shall be provided to the Engineer.

The Contractor shall not purchase any card or enter into any service agreement until authorized by the Engineer. The Engineer will provide a minimum of 10 business days notice prior to the date the card will be required.

628.043. Cellular Telephones/Radios

SECTION 628, BEGIN LINE 465, DELETE AND INSERT AS FOLLOWS:

628.054 Method of Measurement

Field office and field laboratory will be measured by the month for the specified type. Partial months will be rounded up to the next 1/2 or whole month. The Department will provide 2 weeks advanced notice prior to when the facility will be vacated.

If a field laboratory is specified and is included in the same space as the field office, the field laboratory will not be measured for payment.

Additional field office computer system, mobile laptop computer system, mobile internet service, and eCellular telephone/radio service will be measured by the month for each system or service provided. Partial months will be rounded up to the next 1/2 or whole month. The Department will provide 2 weeks advanced notice prior to when mobile internet service and cellular telephone/radio service will no longer be required.

628.065 Basis of Payment

Field office and field laboratory will be paid for at the contract unit price per month, complete in place until released.

~~Additional field office computer system, mobile laptop computer system and mobile internet service will be paid by the month for each system or service provided.~~

Radio and cellular telephone/radio units will be paid for at the contract unit price per each. Radio and cellular telephone/radio service will be paid for at the contract unit price per month per each phone. Monthly charges for cellular telephone minutes in excess of those specified in the contract will be paid for by the dollar amount for the invoiced price per each occurrence as cellular telephone/radio, additional charges.

Payment will be made under:

Pay Item	Pay Unit Symbol
Cellular Telephone/Radio Service, _____ anytime minutes	MOS
Cellular Telephone/Radio	EACH
Cellular Telephone/Radio, Additional Minutes	DOL
Field Laboratory, _____ type	MOS
Field Office Computer System, Additional, _____ Each _____ qty	MOS
Field Office, _____ type	MOS
Mobile Internet Service, _____ Each _____ qty	MOS
Mobile Laptop Computer System, _____ Each _____ qty	MOS
Radio Only Service	MOS
Radio	EACH

SECTION 628, BEGIN LINE 534, DELETE AND INSERT AS FOLLOWS:

All costs necessary to provide *and maintain* the field office computer ~~system~~ *equipment*, including the required software, manuals, ~~peripherals and related equipment~~, technical support and miscellaneous computer requirements shall be included in the cost of the field office.

All costs necessary to establish, install and maintain field office internet service, *both wireless and Ethernet*, including any required hardware, software, fees, monthly charges, setup, installation and technical support shall be included in the cost of the field office.

All costs necessary to provide the copier, printer, document scanner and fax machine, including setup, installation, all required connections to computers ~~systems~~,

technical support and miscellaneous office machine requirements shall be included in the cost of the field office.

~~All costs necessary to establish and maintain a field office network when 1 or more additional field office computer systems are specified, shall be included in the cost of the field office.~~

~~All cost necessary to provide an additional field office computer system, including the required software, manuals, peripherals and related equipment and technical support shall be included in the cost of the additional field office computer.~~

~~All costs necessary to provide the mobile laptop computer system, including the required software, manuals, peripherals and related equipment, technical support and miscellaneous computer requirements shall be included in the cost of the mobile laptop computer.~~

~~All costs necessary to establish, install and maintain mobile internet service, including required hardware, software, fees, monthly charges, setup, installation and technical support shall be included in the cost of mobile internet service.~~

The Contractor shall provide a copy of the detailed invoice from the service provider for each cellular telephone/radio or radio unit each month.
